

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001226**Date Inspected:** 07-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Suspender Brackets, Miscellaneous Metal, Cor**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Informed by Administration today that Painting outside approved workshop no longer permitted per State Letter 05.03.01-004556 Dated: July 06,2009. Generate Incident reports for all outdoor painting activities observed.

Suspender Brackets

ZPMC requested inspection for "mist" coat Interfine 979 application on five (5) brackets. MEK and Chloride testing was performed, MEK rating of 5 observed and chloride value of 10us/cm observed. Surfaces were rejected for "mist" coat application BY ABF & International Protective Coatings Technical service representative due to low Dry Film Thickness (DFT) areas and incomplete repairs and dirt and contaminants visible on surfaces.

Bracket codes: SB12E, SB28E, SB12W, SB18W, SB24W.

Corner Unit

Base metal faying surfaces were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Profile amplitude was 66-76um. Sub Assembly unit codes: DP712A, DP716A, DP710A, DP696A.

Miscellaneous Metal

Base metal surfaces of approximately 150 splice plates were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

Suspender Brackets

Bracket codes: SB12E, SB28E, SB12W, SB18W,SB24W. Were re-inspected following additional cleaning and

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repairs and “mist” coat of Interfine 979 applied.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley. International Protective Coatings technical service representative was also available for inspection and consult.

Summary of Conversations:

Caltrans QA Lumley inform ABF QA Bill Oak that any and all coating application outside approved shop facility would be cause for an Incident Report per State Letter 05.03.01-004556 Dated July 6,2009.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
